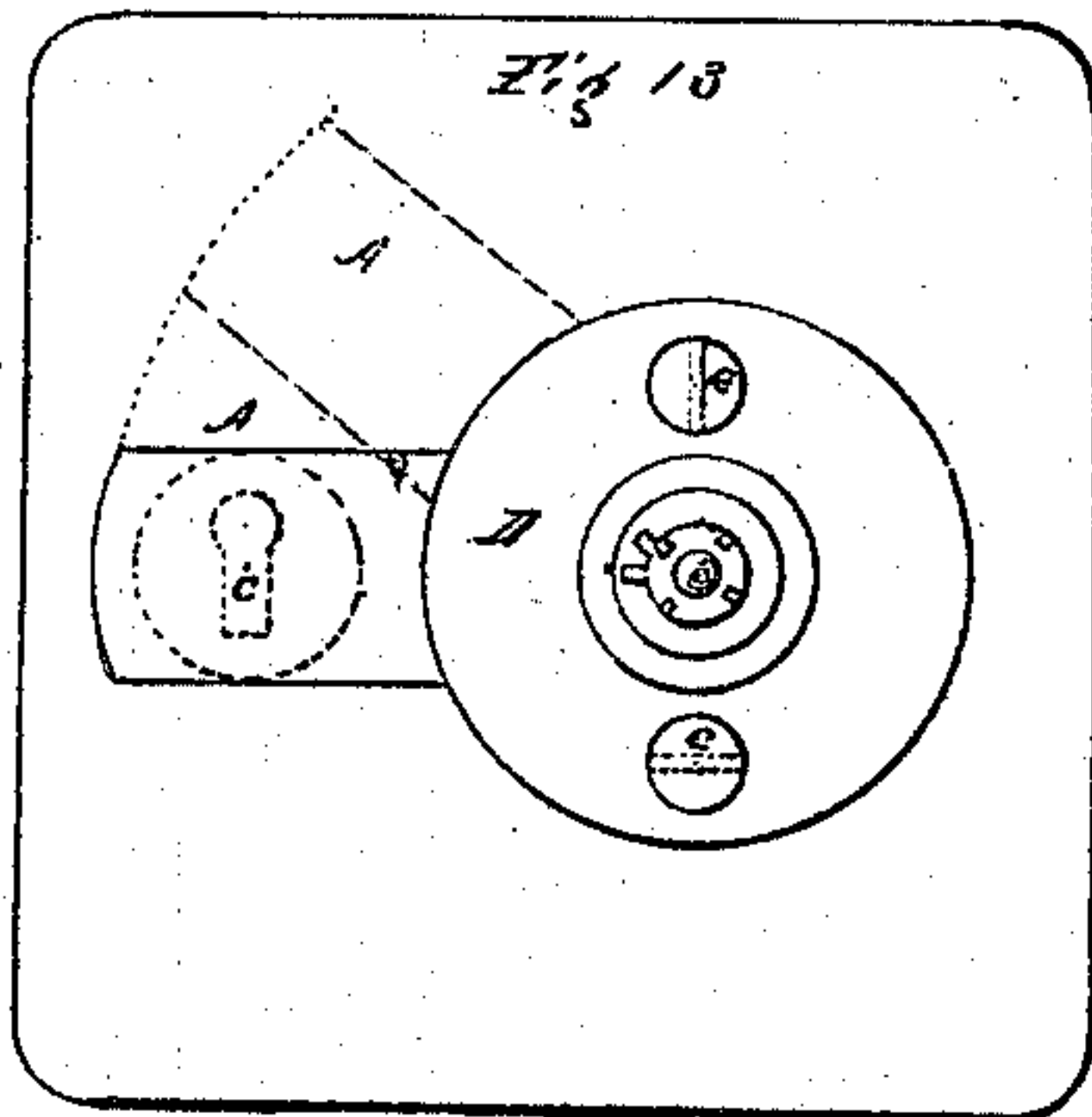
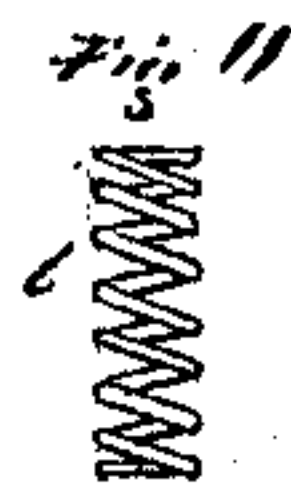
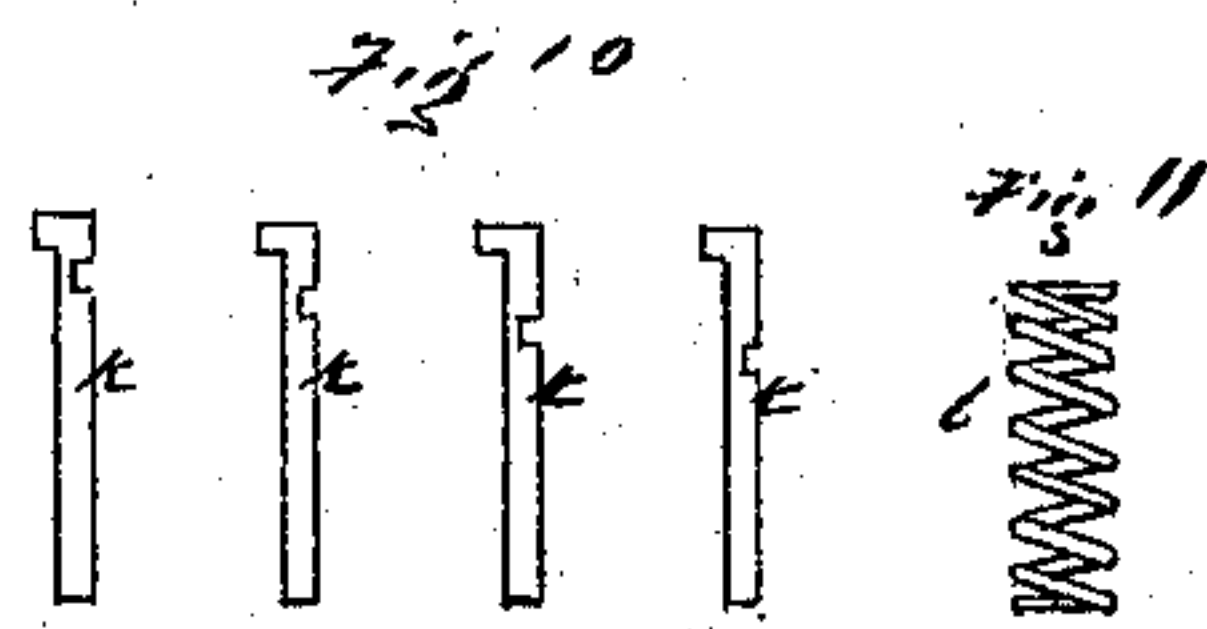
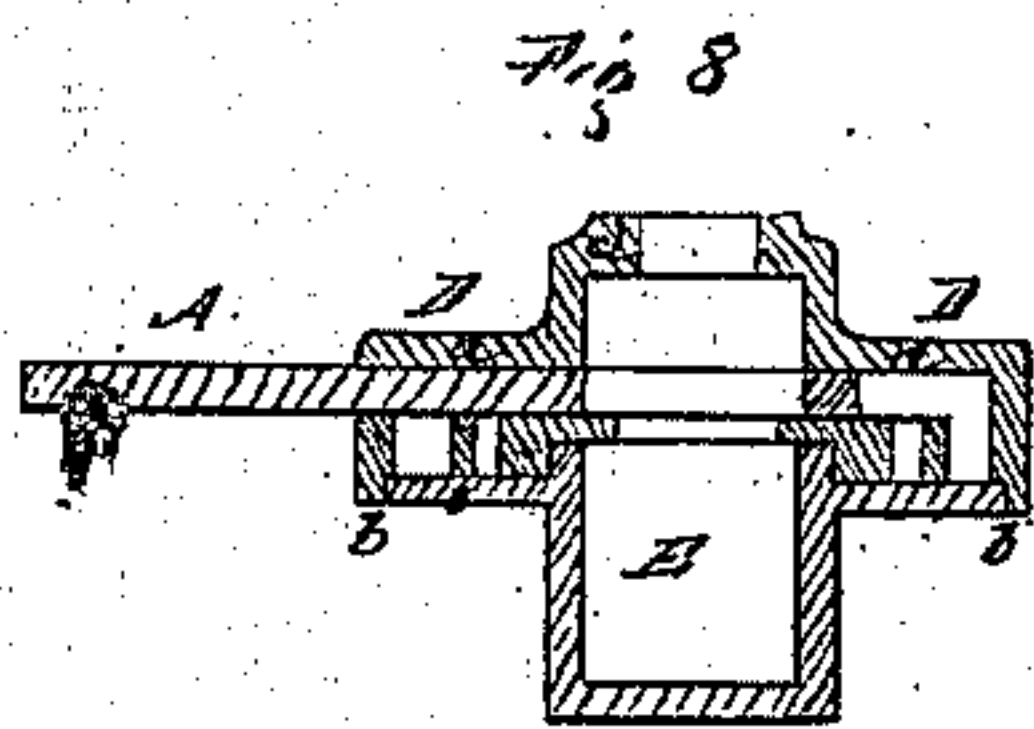
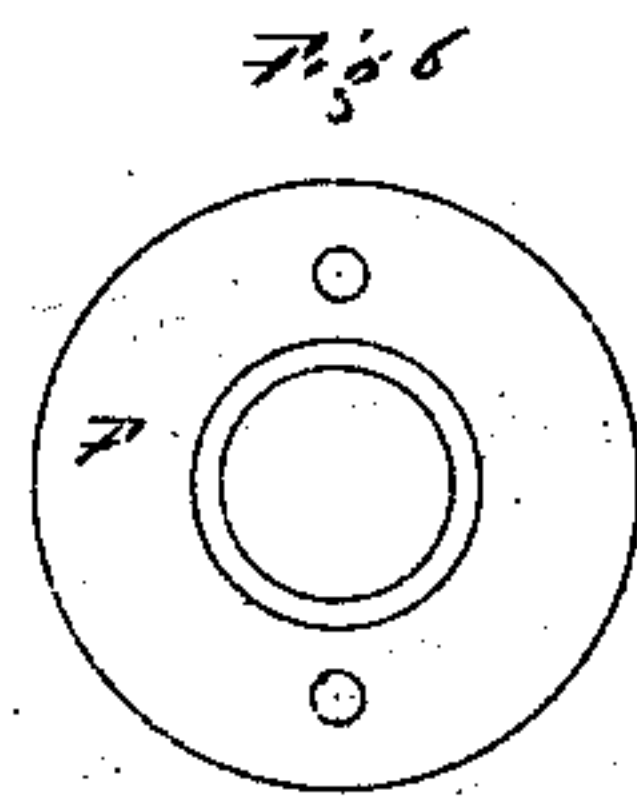
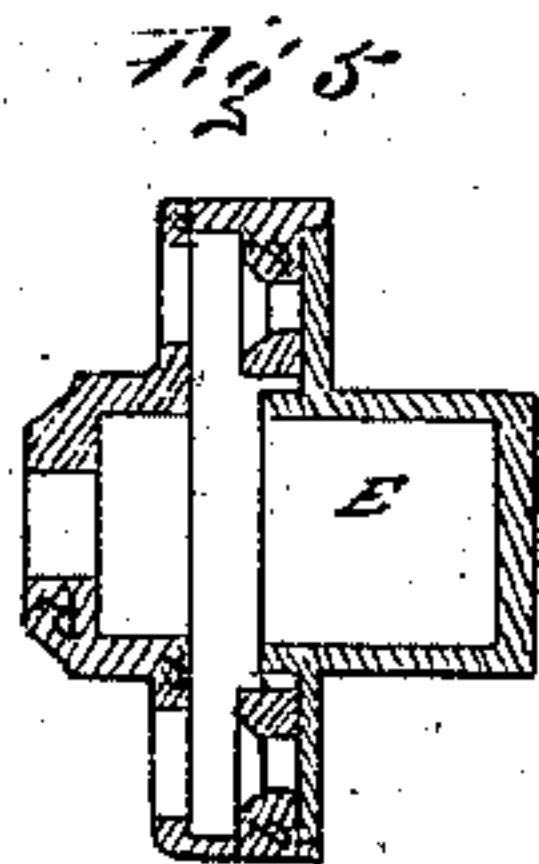
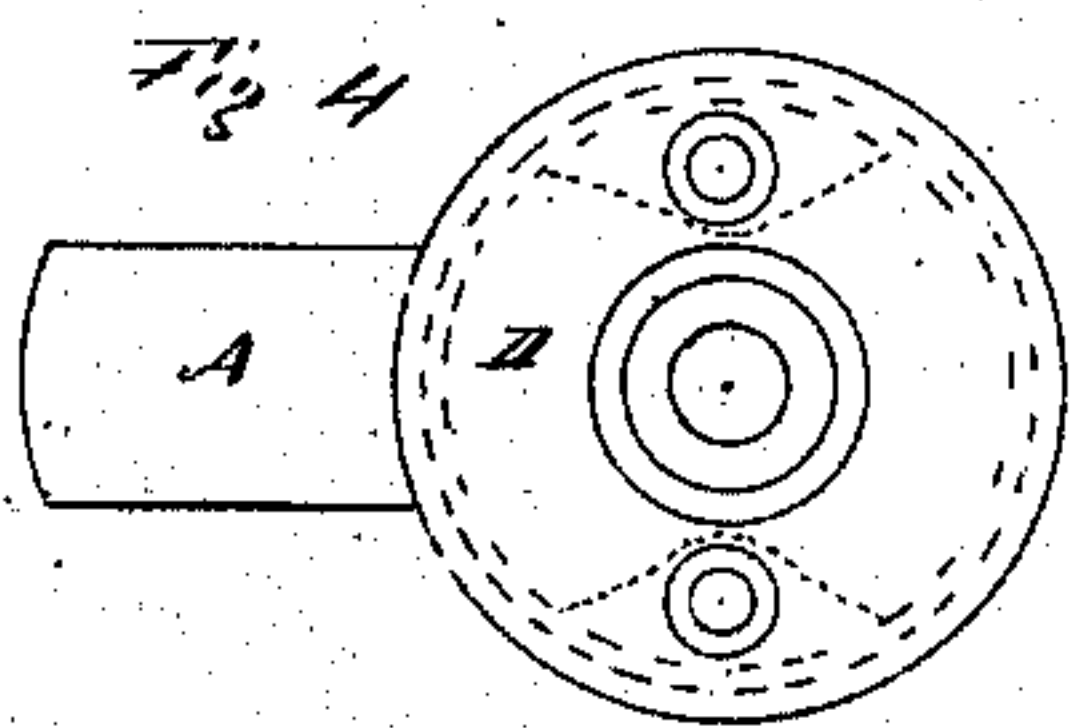
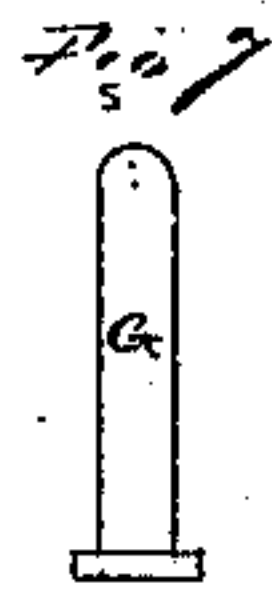
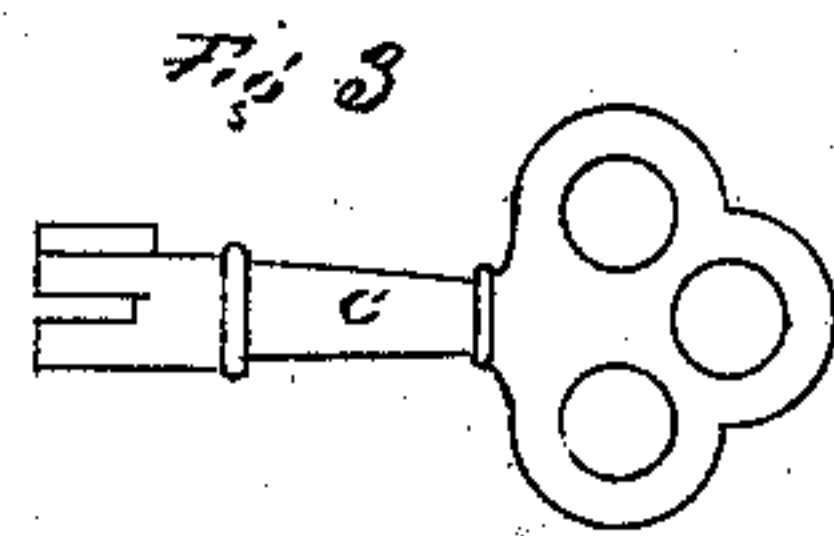
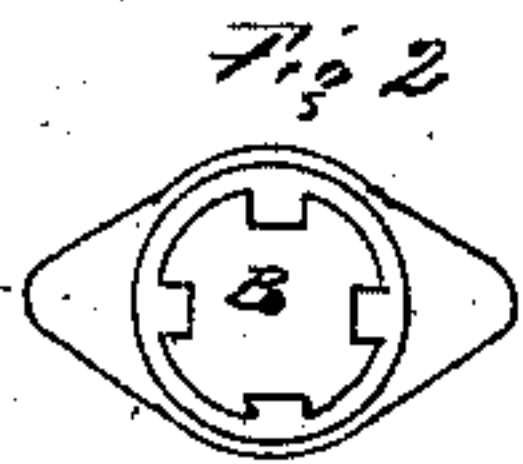
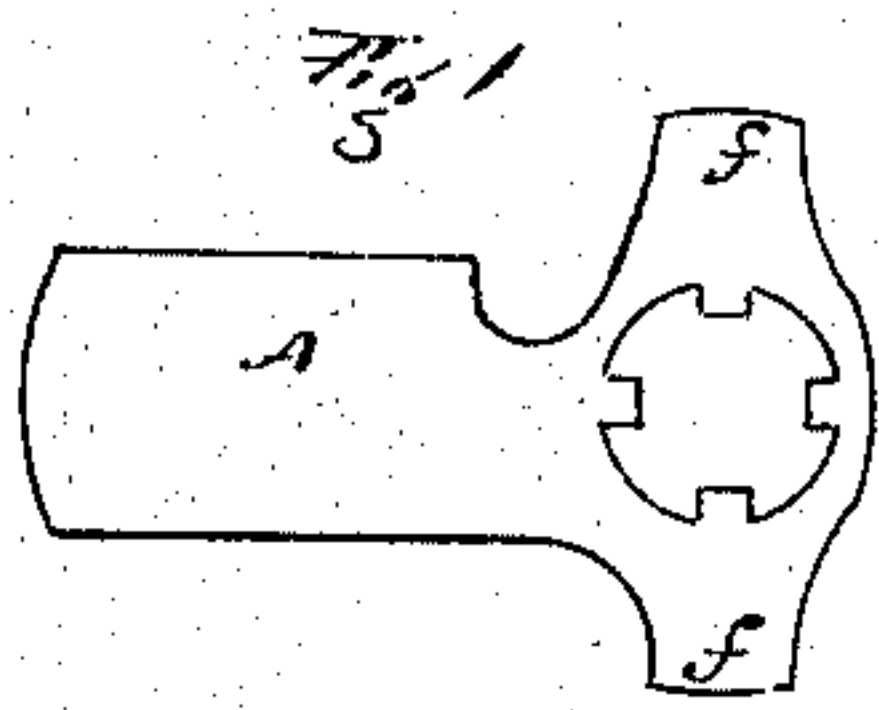


H.R. Towne,
Key Hole Guard.

No. 103,256;

Patented May 17, 1870.



WITNESSES

John R. Thompson
H. L. Vattenberg

INVENTOR.

Henry R. Towne
John R. Thompson
att'y

United States Patent Office.

HENRY R. TOWNE, OF STAMFORD, CONNECTICUT.

Letters Patent No. 103,256, dated May 17, 1870.

IMPROVEMENT IN KEY-HOLE GUARD-LOCKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY R. TOWNE, of Stamford, in the county of Fairfield and State of Connecticut, have invented a new and useful Guard-Lock; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon making a part of this specification.

In cases where great security is desired, as, for instance, in the doors of safe-deposit boxes, it is found desirable not to rely entirely upon the excellence of the locks on said doors; and, therefore,

The object of this invention is to add greater security by placing on said doors, or even on the locks of the same, a second lock, in such manner as will interpose a guard or shield-plate over the key-holes of said locks, so as to effectually prevent any attempts of picking through the key-hole. This desirable result has been but imperfectly attained heretofore.

In the accompanying sheet of drawings—

- Figure 1 represents a plan of a shield or guard;
- Figure 2, a plan of the fence;
- Figure 3, a plan of key;
- Figure 4, a plan view of the escutcheon and lock-case;
- Figure 5, a vertical section of same;
- Figure 6, a view of under side of the lock-case;
- Figure 7, a side view of key-spindle;
- Figure 8, a horizontal section of lock-case and guard;
- Figure 9, a side view of tumbler;
- Figure 10, a side view of sliders;
- Figure 11, a side view of spiral spring;
- Figure 12, a plan view of tumbler; and
- Figure 13, a plan of lock, showing application of same.

Similar letters of reference indicate corresponding parts in the several drawings.

- A represents a guard or shield;
- B, the fence;
- C, the key;
- D, the lock-case;
- E, the cylindrical tenon or projection from the back plate of the lock;
- F, back plate of lock-case;
- G, key-spindle;
- H, the tumbler;
- k, the sliders; and
- l, the spring.

The fence-key, tumbler, sliders, and spring are similar to the ordinary parts as employed in the well-known Bramah lock, and, therefore, need no special description here; but my invention more particularly relates to the arrangement of said parts in a case, D, in combination with a shield or guard, A, and consists in protecting the key-hole, and, at the same

time, covering the screws which secure the guard-lock in place; by means of the swinging shield-plate, and in the combination, with said shield-plate, of a tumbler, sliders, fence, spring, key, and lock-case, all as hereinafter described.

The lock-case D may be made of cast-brass or other suitable material, and is formed with an upper plate, *a*, and lower plate, *b*, hollow cylindrical tenon, E, and projection *d*.

Into the interior of the cylindrical tenon E is fitted the tumbler H, (around which are placed, in proper channels, the sliders *k*,) the spring *l*, and the fence B.

Between the plates *a* and *b* of the lock-case D is placed the guard or shield A, the inner part of said guard being so constructed (see fig. 1) as to fit over and encircle the head of the tumbler H, and the outer end to project from the side of the lock-case, as shown in fig. 4.

In applying this lock, the cylindrical tenon E of the lock-case D is let into a mortise or opening previously made for that purpose, and the case D is then secured in position by means of the screws *e e*, which are inserted through the top-plate *a* and through the lower plate *b*, in such manner as will allow the heads of said screws to be countersunk into the lower plate *b* and be flush with its surface.

The lock being thus secured and in place near the key-hole it is desired to guard, the guard or shield A may be moved by the hand directly over and covering the key-hole *c* of the lock, and, when in said position, the sliders *k*, by the action of the spring *l*, are interposed between the tumbler H and the fence B, and said guard or shield is locked or held in said position until it is released by the action of the key C on the tumbler H.

The inner part of the guard or shield A is formed with two wings, *f f'*, so that, when said guard or shield is locked in position over the key-hole *c*, said wings will interpose between the upper plate *a* and the lower plate *b* of the lock-case D, and thus cover the heads of the screws *e e*, and prevent their being drawn from the outside.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The shield-plate A, protecting the key-hole, and, at the same time, covering the screws which secure the guard-lock in place, substantially as described.

2. In combination with the above, the tumbler H, sliders *k*, fence B, spring *l*, key C, and lock-case D, all constructed, arranged, and operating substantially as herein described.

HENRY R. TOWNE.

Witnesses:

JOSHUA B. FERRIS,
W. C. STROBRIDGE, Jr.